

END 000010 US1

AMENDMENT WITH RCE

00240076aa

Amendment dated 7/27/2004

Reply to office action mailed 04/05/2004

The following is a complete listing of all claims in the application, with an indication of the status of each:

Listing of claims:

- 1 1. (currently amended) A method of encryption of a data file transmitted to a decoder, said method comprising steps of
 - 3 defining a write order of data blocks of said data file to non-sequential storage locations of a mass memory,
 - 5 storing said data blocks in said mass memory in accordance with said write order and updating a table having a plurality of entries corresponding to a plurality of said non-sequential storage locations, said table being located independently of said data file,
 - 9 encrypting the table with a key unique to the decoder, forming an encrypted table, and
 - 11 storing said encrypted table to said mass memory.
- 1 2. (original) A method as recited in claim 1 wherein said mass memory is a hard disk drive.
- 1 3. (original) A method as recited in claim 1 wherein said mass memory is a compact disk recorder/player.
- 1 4. (previously presented) A method as recited in claim 1, wherein said updating in said table is performed in accordance with a second key.

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- 1 5. (previously presented) A method as recited in claim 4, wherein said encrypting
- 2 step is performed in accordance with a third key.

- 1 6. (previously presented) A method as recited in claim 4, wherein said key and said
- 2 second keys are identical.

- 1 7. (previously presented) A method as recited in claim 5, wherein said second and
- 2 third keys are identical.

- 1 8. (previously presented) A method as recited in claim 5, wherein said key and said
- 2 third keys are identical.

- 1 9. (previously presented) A method as recited in claim 1, including the further steps
- 2 of
3 loading a portion of said data file, as blocks of data, into a memory queue,
4 setting a counter in accordance with a number of blocks in said memory
5 queue, and
6 performing said step of defining a write order in accordance with said counter.

- 1 10. (original) A method as recited in claim 1, wherein said data file contains audio
- 2 and video data, said method including the further step of
- 3 separating audio and video into respective data blocks.

- 1 11. (previously presented) A method as recited in claim 1, wherein said data blocks
- 2 include headers, said method including the further step of
- 3 including said write order in said header.

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3 including said write order in said header.

1 12. (original) A method as recited in claim 1, including a further step of
2 transmitting encryption software for performing said encryption of said
3 data file to said decoder.

1 13. (original) A method as recited in claim 12, wherein said encryption
2 software includes said first key.

1 14. (currently amended) A decoder for receiving a digital transmission of a
2 data file including
3 means for defining a write order of data blocks of said data file to non-
4 sequential storage locations of a mass memory,
5 means for storing said data blocks in memory in accordance with said
6 write order and updating a table having a plurality of entries corresponding to
7 a plurality of said non-sequential storage locations, said table being located
8 independently of said data file,
9 means for encrypting the table with a key unique to the decoder,
10 forming an encrypted table, and
11 means for storing said encrypted table to said mass memory.

1 15. (previously presented) A decoder as recited in claim 14, wherein said
2 means for storing said data utilizes a second key and said means for
3 encrypting the table utilizes a third key.

1 16. (original) A decoder as recited in claim 15, wherein two of said first,
2 second and third keys are identical.

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1 17. (previously presented) A decoder as recited in claim 14, further including
2 means for loading a portion of said data file, as blocks of data, into a
3 memory queue, and

4 means for setting a counter in accordance with a number of blocks in
5 said memory queue

6 wherein said means for defining a write order is responsive to said
7 counter.

1 18. (previously presented) A decoder as recited in claim 14, wherein one of
2 said key, said second key and said third key is not shared with any other
3 device.

1 19. (original) A decoder as recited in claim 14, further including
2 means for receiving encryption software for encrypting said data file.

1 20. (original) A decoder as recited in claim 14, further including a port to an
2 outboard mass storage device.

1 21. (previously presented) A method as recited in claim 1, wherein said table
2 and said encrypted table are a file allocation table and an encrypted file
3 allocation table, respectively.

1 22. (previously presented) A method as recited in claim 1, wherein said
2 defining step is performed in accordance with a first key and allocates
3 corresponding sectors of said mass memory.

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- 1 23. (previously presented) A decoder as recited in claim 14, wherein said
- 2 table and said encrypted table are a file allocation table and an encrypted file
- 3 allocation table, respectively.

- 1 24. (previously presented) A decoder as recited in claim 14, wherein said
- 2 means for defining a write order is performed in accordance with a first key
- 3 and includes means for allocating corresponding sectors of said mass memory.

- 1 25. (currently amended) A method of protecting streaming data stored in a
- 2 storage device by a decoder, the method comprising steps of:
 - 3 writing streaming data in data blocks in a memory,
 - 4 scrambling the write order of the data blocks containing streaming data
 - 5 when storing the data blocks containing the streaming data in the storage
 - 6 device,
 - 7 creating a table describing the scrambling order of the data blocks of
 - 8 streaming data in the storage device, there being a plurality of entries in said
 - 9 table corresponding to a plurality of said data blocks, said table being located
 - 10 independently of said streaming data, and
 - 11 encrypting the table with a key unique to the decoder and storing the
 - 12 encrypted table in the storage device.

- 1 26. (previously presented) A method as recited in claim 25, wherein said
- 2 memory is a random access memory.

- 1 27. (previously presented) A method as recited in claim 25, wherein said
- 2 table is a file allocation table.